

M 4.0, 42 km ENE of Pedro Bay, Alaska

Origin Time: 2021-08-14 10:35:15 UTC (Sat 02:35:15 local)  
Location: 59.9829° N 153.4601° W Depth: 150.8 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

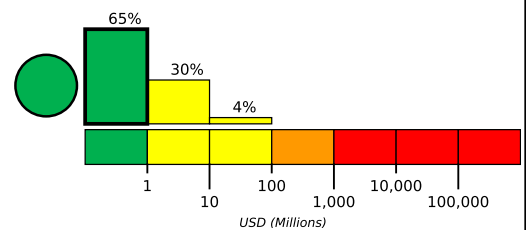
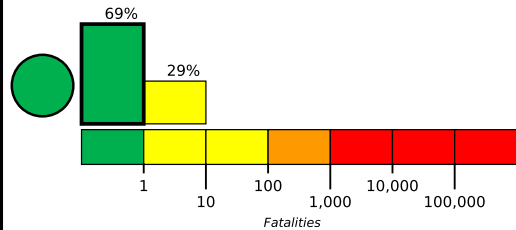
Created: 33 minutes, 48 seconds after earthquake

PAGER Version 3

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

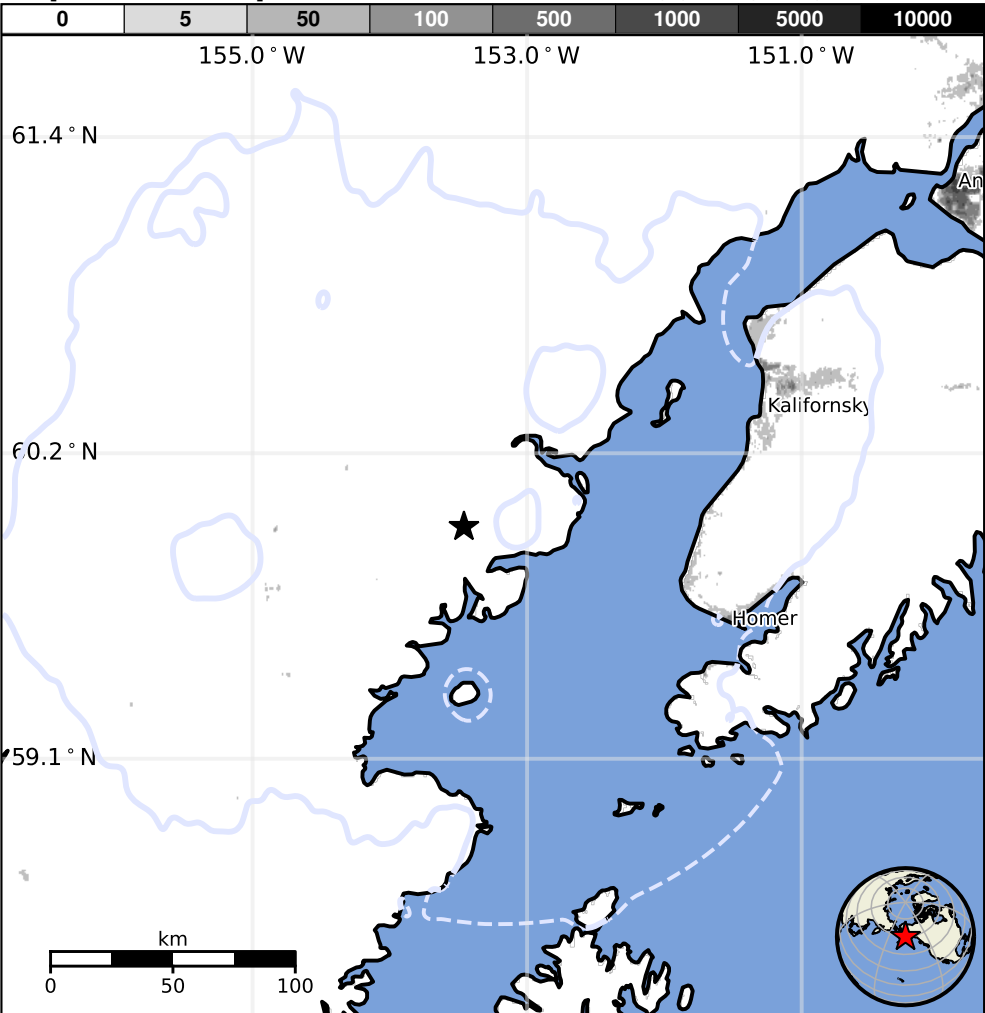


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		295k*	43k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-12-06	299	7.0	V(13k)	—
1964-03-28	339	9.2	VIII(24k)	—
1964-03-28	339	9.2	VIII(24k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
II	Anchor Point	2k
II	Cohoe	1k
II	Kalifornsky	8k
II	Soldotna	4k
II	Diamond Ridge	1k
II	Ridgeway	2k
II	Sterling	6k
II	Kenai	7k
I	Nikiski	4k
I	Homer	5k
I	Anchorage	292k